

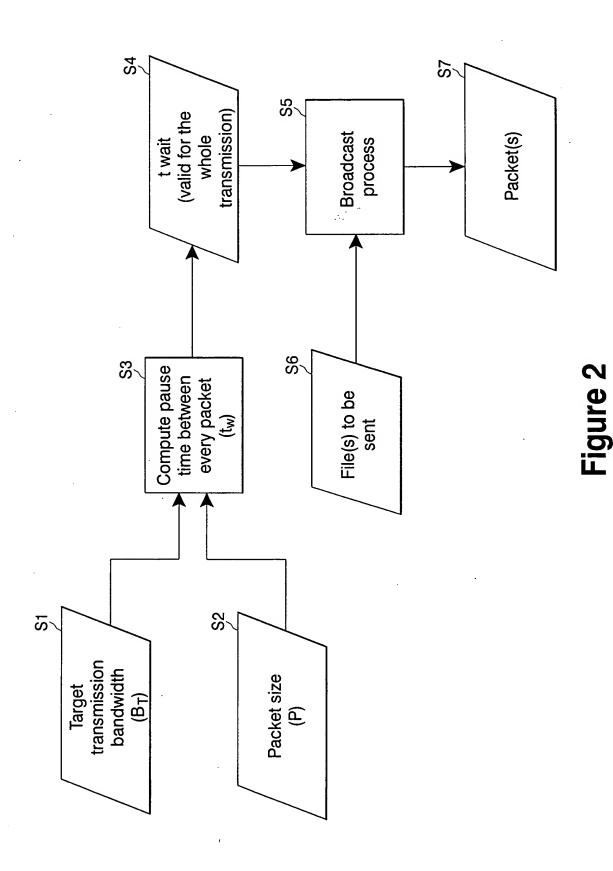
Figure 1

Received file(s)

TRADEMAR

App No.: 10/062,830 Docket No.: 03282/000K042-US0 Inventor: Jarno Marchetto et al.

Title: METHOD AND SYSTEM OF DATA PACKET TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH REPLACEMENT SHEET Sheet 2 of 9 Docket No.: 03282/000K042-US0



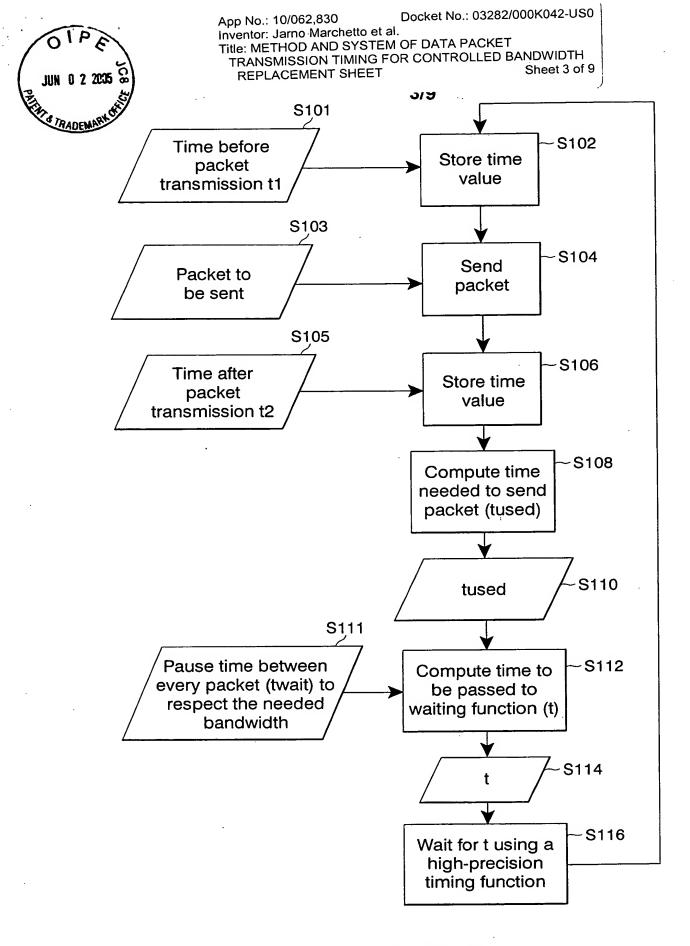


Figure 3

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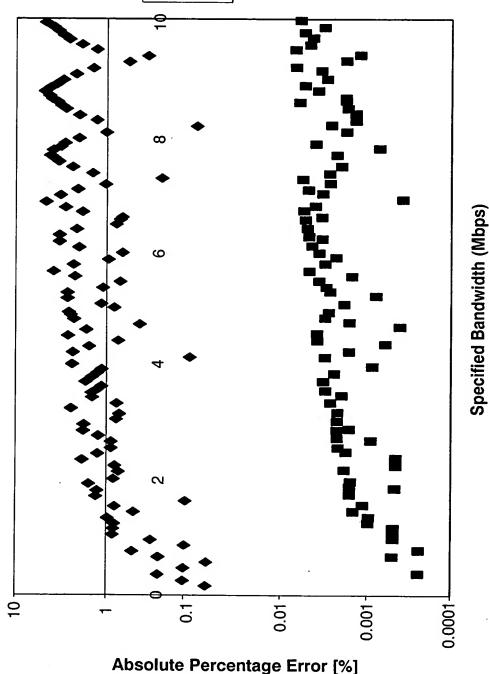
App No.: 10/062,830 Docket No.: 03282/000K042-US0

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Title: METHOD AND SYSTEM OF DATA PACKET

TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH REPLACEMENT SHEET Sheet 4 of 9

◆ rounding to millisecond■ rounding to microsecond



Absolute Percentage Error on Specified Bandwidth 8 KB Packet Size

Figure 4

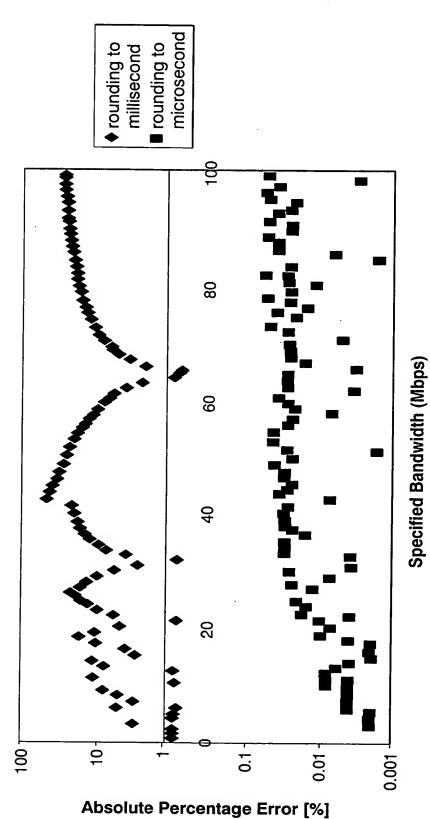


App No.: 10/062,830 Inventor: Jarno Marchetto et al. Docket No.: 03282/000K042-US0

Title: METHOD AND SYSTEM OF DATA PACKET
TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH

REPLACEMENT SHEET

Sheet 5 of 9



Absolute Percentage Error on Specified Bandwidth 8 KB Packet Size



App No.: 10/062,830 Docket No.: 03282/000K042-US0

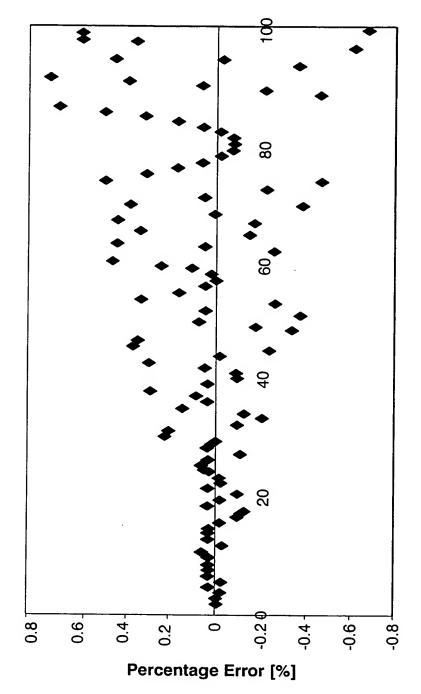
Inventor: Jarno Marchetto et al.

Title: METHOD AND SYSTEM OF DATA PACKET

TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH

REPLACEMENT SHEET

Sheet 6 of 9



Specified Bandwidth (Mbps)

Absolute Percentage Error on Specified Bandwidth Rounding to Microsecond, 8 KB Packet Size

Figure 6



App No.: 10/062,830

Docket No.: 03282/000K042-US0

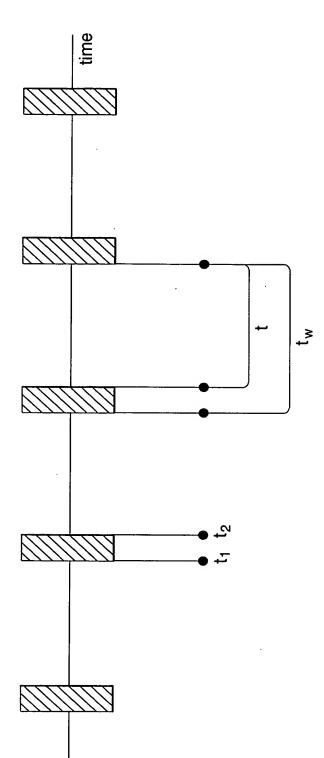
Inventor: Jarno Marchetto et al.

Title: METHOD AND SYSTEM OF DATA PACKET

TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH REPLACEMENT SHEET

Sheet 7 of 9





11: time before packet transmission

t2: time after packet transmission

 t_w : time interval between every packet transmission computed as $t_w = P/B_{
m T}$: difference between t_w and the time spent to send a packet $(t_1 - t_2)$

value t is input for a waiting process that suspends the program execution for a time interval t. After that t is elapsed, another

packet is sent.



App No.: 10/062,830 Docket No.: 03282/000K042-US0 Inventor: Jarno Marchetto et al.

Title: METHOD AND SYSTEM OF DATA PACKET

TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH

TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH REPLACEMENT SHEET Sheet 8 of 9

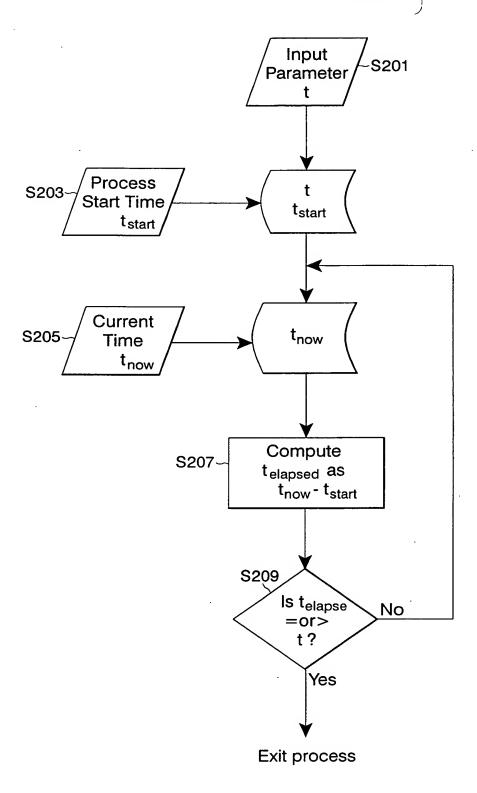


Figure 8



Docket No.: 03282/000K042-US0 App No.: 10/062,830 Inventor: Jarno Marchetto et al. Title: METHOD AND SYSTEM OF DATA PACKET TRANSMISSION TIMING FOR CONTROLLED BANDWIDTH Sheet 9 of 9 REPLACEMENT SHEET S200 $\mathbf{Set}\,\delta=\mathbf{0}$ Input S201-Parameter **Process** S203-Start Time t_{start} tstart Current S205 Time tnow t_{now} Compute S207~ telapsed as; t_{now}-t_{start}

